



Triage 101 » Includes determining » The order and priority of emergency treatment » The order and priority of emergency transport » The transport destination Missouri Department of Health and Senior Services

Triage 101 » Accuracy of Field Triage » EMS Role-» Ascertain nature and severity of "injury" » Provide treatment » Determine most appropriate destination facility May 12, 2009 Missouri Department of Health and Senior Services

Triage 101

- » Accuracy of Field Triage
 - » Maximally sensitive triage
 - » All patients needing level I or II care triaged to level I or II center
 - » Maximizes PPV of the process
 - » Maximally Specific Triage
 - » No patients that could be treated at level III or IV center triaged to level I or II center
 - » Maximizes NPV of the process

Triage 101

- » Accuracy of Field Triage
 - » Under-triage
 - » A patient does not receive the timely, higher level specialized care needed
 - » Risk poor patient outcomes
 - » Over-triage
 - » A patient not requiring higher-level care triaged to higher level center
 - » Risk consuming resources unnecessarily

Triage 101 » Accuracy of Field Triage » Based on interactions between sensitivity, specificity, PPV, and NPV, » Reduction in undertriage accompanied by increases on overtriage » Reduction in overtriage accompanied by increase in undertriage Missouri Department of Health and Senior Services

Triage 101

- » Accuracy of Field Triage
 - » Due to risks of death and substantial morbidity, trauma systems usually err on side of minimizing under-triage
 - » Targets for under-triage: 0 to 5% patients needing Level I or II care
 - » Targets for over-triage: varies by system from 25 to 50% patients needing lower level care



- » Economic Benefit of Accurate of Field Triage
 - » Assumption: appropriate destination decisions--> reduction in over- and under-triage
 - » For trauma, accurate field triage one part of complex solution for lowering injury costs

